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ENGLISH
ITALIANO
ESPAÑOL
FRANÇAIS
DEUTSCH
РУССКИЙ
PORTUGUÊS

LG
New Wide Wired Remote Controller

Owner's & Installation Manual

Models: PQRCVSL0
PQRCVSL0QW

IMPORTANT

- **Please read this owner's & installation manual completely before installing the product.**
- **Installation work must be performed in accordance with the national wiring standards by authorized personnel only.**
- **Please retain this owner's & installation manual for future reference after reading it thoroughly.**

P/No.: MFL62129202

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ENGLISH

Safety Precaution

- The installation requires expert skills, and it should be installed by the service center or other shops specialized in the installation and recognized by our company.
- For all the problems arising after installation by someone who has no relevant qualifications, our company will not provide free service.
- The following safety cautions are provided to prevent unexpected dangers or losses.

⚠WARNING : If the user does not follow the mandatory items, it may result in serious injury or death.

⚠CAUTION : If the user does not follow the mandatory items, it may cause personal injury or property damage.

: Warning and Caution are to call the user's attention to the possible danger. Read and follow them carefully in order to prevent a safety accident.

: Warning and Caution are indicated in this guide and the product itself to help protect the users from danger.

⚠WARNING

■ Installation

Be sure to request to the service center or installation specialty store when installing products.
- It will cause fire or electric shock or explosion or injury.

Request to the service center or installation specialty store when reinstalling the installed product.
- It will cause fire or electric shock or explosion or injury.

Do not disassemble, fix, and modify products randomly.
- It will cause fire or electric shock.

■ In-use

Do not place flammable stuffs close to the product.
- It will cause fire.

Do not allow water to run into the product.
- It will cause electric shock or breakdown.

Do not give the shock to the product.
- It will cause breakdown when giving the shock to the product.

Request to the service center or installation specialty store when the product becomes wet.
- It will cause fire or electric shock.

Do not give the shock using sharp and pointed objects.
- It will cause breakdown by damaging parts.

⚠CAUTION

■ In-use

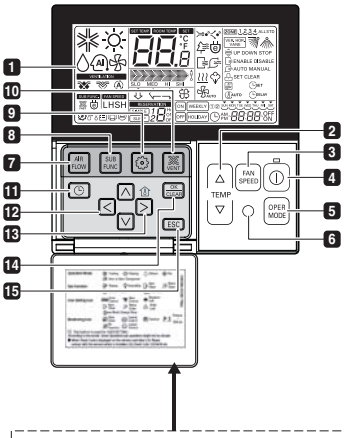
Do not clean using the powerful detergent like solvent but use soft cloths.
- It will cause fire or product deformation.

Do not press the screen using powerful pressure or select two buttons.
- It will cause product breakdown or malfunction.

Do not touch or pull the lead wire with wet hands.
- It will cause product breakdown or electric shock.

Part Description

Name and Function of Remote Controller



Please attach the inform label inside of the door.
Please choose proper language depend on your country.

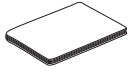
1. OPERATION INDICATION SCREEN
2. SET TEMPERATURE BUTTON
3. FAN SPEED BUTTON
4. ON/OFF BUTTON
5. OPRATION MODE SELECTION BUTTON
6. WIRELESS REMOTE CONTROLLER RECEIVER
   - Some products don't receive the wireless signals.
7. AIR FLOW BUTTON
8. SUBFUNCTION BUTTON
9. FUNCTION SETTING BUTTON
10. VENTILATION BUTTON
11. RESERVATION
12. UP,DOWN,LEFT,RIGHT BUTTON
    - To check the indoor temperature, press button.
13. ROOM TEMPERATURE BUTTON
14. SETTING/CANCEL BUTTON
15. EXIT BUTTON

※ Some functions may not be operated and displayed depending on the product type.

Accessory

Connection Cable
(1EA, 10m)

Screw
(4 EA)



Owner's / Installation manual

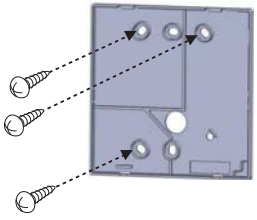
Inform label
(8EA-8Languages)

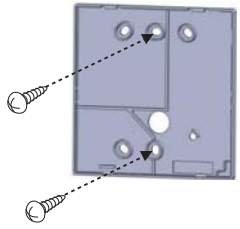
ENGLISH

Installation instruction

1. Please fix tightly using provided screw after placing remote controller setup board on the place where you like to setup.

- Please set it up not to bend because poor setup could take place if setup board bends. Please set up remote controller board fit to the reclamation box if there is a reclamation box.
- Install the product so as not to make a gap with the wall side and to prevent shaking after the installation.





2. Can set up Wired remote controller cable into three directions.

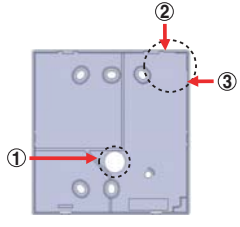
- Setup direction: the surface of wall reclamation, upper, right
- If setting up remote controller cable into upper and right side, please set up after removing remote controller cable guide groove.

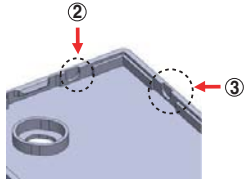
❉ Remove guide groove with long nose.

① Reclamation to the surface of the wall

② Upper part guide groove

③ Right part guide groove



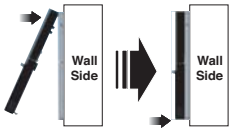


<Wire guide grooves>

3. Please fix remote controller upper part into the setup board attached to the surface of the wall, as the picture below, and then, connect with setup board by pressing lower part.

- Please connect not to make a gap at the remote controller and setup board's upper and lower, right and left part.
- Before assembly with the installation board, arrange the Cable not to interfere with circuit parts.

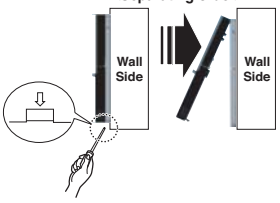
<Connecting order>



When separating remote controller from setup board, as the picture below, after inserting into the lower separating hole using screw driver and then, spinning clockwise, remote controller is separated.

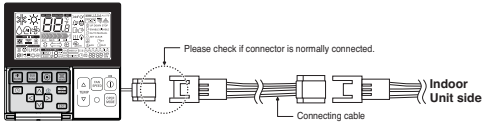
- There are two separating holes. Please individually separate one at a time.
- Please be careful not to damage the inside components when separating.

<Separating order>



4. Please connect indoor unit and remote controller using connection cable.

12V	Red
Signal	Yellow
GND	Black



⚠CAUTION

- Installation work must be performed in accordance with the national wiring standards by authorized personnel only.
- Installations must comply with the applicable local/national or international standards.
- Apply totally enclosed noncombustible conduit (metal raceway) in case of local electric & building code require plenum cable usage.

5. Please use extension cable if the distance between wired remote controller and indoor unit is more than 10m.

⚠CAUTION

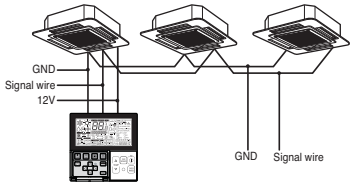
When installing the wired remote controller, do not bury it in the wall.
(It can cause damage in the temperature sensor.)
Do not install the cable to be 50m or above.
(It can cause communication error.)

- When installing the extension cable, check the connecting direction of the connector of the remote controller side and the product side for correct installation.
- If you install the extension cable in the opposite direction, the connector will not be connected.
- Specification of extension cable: 2547 1007 22# 2 core 3 shield 5 or above.

Group control

1. When installing more than 2 units of air conditioner to one wired remote controller, please connect as the right figure.

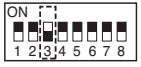
- If it is not event communication indoor unit, set the unit as slave.
- Check for event communication through the product manual.



When controlling multiple indoor units with event communication function with one remote controller, you must change the master/slave setting from the indoor unit.

- Indoor units, the master/slave configuration of the product after completion of indoor unit power 'OFF' and then 'ON' the power after 1 minutes elapsed sign up.
- For ceiling type cassette and duct product group, change the switch setting of the indoor PCB.

#3 switch OFF: Master
(Factory default setting)



#3 switch ON: Slave

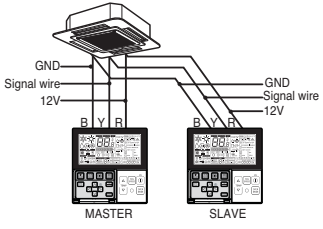
- For wall-mount type and stand type product, change the master/slave setting with the wireless remote controller. (Refer to wireless remote controller manual for detail)

❉ When installing 2 remote controllers to one indoor unit with event communication function, set the master/slave of the remote controller. (Refer to remote controller master/slave selection)

When controlling the group, some functions excluding basic operation setting, fan level Min/Mid/Max, remote controller lock setting and time setting may be limited.

2. When installing more than 2 wired remote controllers to one air conditioner, please connect as the right picture.

- When installing more than 2 units of wired remote controller to one air conditioner, set one wired remote controller as master and the others all as slaves, as shown in the right picture.
- You cannot control the group as shown in the right for some products.
- Refer to the product manual for more detail.



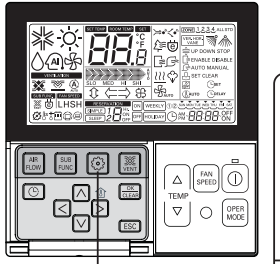
<When simultaneously connecting 2 sets of wired remote controller>

- When controlling in groups, set the master/slaver of the remote controller. Refer to Installer setting section on how to set master/slave for more detail.

Installer Setting -How to enter installer setting mode

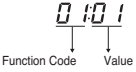
⚠CAUTION

Installer setting mode is to set the detail function of the remote controller.
If the installer setting mode is not set correctly, it can cause problems to the product, user injury or property damage. This must be set by an certificated installer, and any installation or change that is carried out by a non-certificated person should be responsible for the results. In this case, free service cannot be provided.



1 If pressing ⚙ button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

2 When you enter the setting mode initially, Function code is displayed on the bottom of the LCD screen.



• Some categories of the menu may not be displayed according to the function of the product, or the menu name may be different.

ENGLISH

<Installer Setting Code Table>

1) General air-conditioner product

No.	Function	Code	Value
1	Test Run	01	01:Set
2	Address Setting	02	00~FF : Address
3	E.S.P. Value	03	<ESP Step> <ESP Value> <Example> 01:VeryLow 0 ~ 255 02:Low 03:Med 04:High 05:Very High 0301 00 (Function Code / ESP step / ESP value)
4	Thermistor	04	01:Remo 02:Indoor 03:2TH
5	Ceiling Height	05	01:Low 02:Med 03:High 04:Very High
6	Static Pressure	06	01:V-H 02:F-H 03:V-L 04:F-L
7	Master Setting	07	00:Slave※ If only "Plus1" series models 00 : Group setting 01:Master 01 : Single setting
8	Override Setting	08	00:Slave 01:Master
9	Dry Contact	09	00:Auto-Off 01:Auto-On
10	Release 3 Min. Delay	10	01:Set
11	Zone State	11	01:Variable 02:Fixed
12	Celsius Fahrenheit Switching	12	00:Celsius 01:Fahrenheit (Optimized only for U.S.A)
13	Zone Type	13	00:Zone Controller 01:Damper Controller
14	Zone Number	14	02~04(Zone number)
15	Emergency Heater Setting	18	Select mode Setup Low Ambient Heating Operation Setup FAN Speed 00 : not use 0 : not use 0 : fan off 01 : use 1 : use – compressor off(0°F/-18°C)/on(5°F/-15°C) 1 : fan on 2 : use – compressor off(5°F/-15°C)/on(10°F/-12°C) 3 : use – compressor off(10°F/-12°C)/on(15°F/-9°C)
16	Plasma	20	00: Not Installed 01: Installed
17	Electric heater	21	
18	Humidifier	22	
19	Elevation Grill	23	
20	Ventilation Kit	24	
21	Auxiliary Heater	25	

※ Some contents may not be displayed depending on the product function

2) General Ventilation product

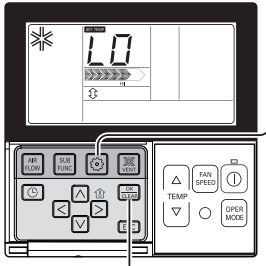
No.	Function	Code	Value
1	Test Run	01	01 : Test Run Setup
2	Address Setting	02	00~FF : Address of Central Control
3	SA(Supply Air) ESP	03	<ESP level> <ESP value> <Example> 01 : Low 0~255 0301 15 02 : High Function Code ESP step ESP value 03 : Super High
4	EA(Exhaust Air) ESP	04	
5	Product Direction	05	01 : Normal 02 : Opposite
6	Quick Refresh Priority	06	01 : Supply Air First 02 : Exhaust Air First
7	Master Setting	07	00 : Slave 01 : Master
8	Override Setting	08	00 : Slave 01 : Master
9	Dry Contact	09	00 : Auto-Off 01 : Auto-On
10	Release Of 3 Minute Delay	10	01 : Set
11	Zone State	11	01 : Variable 02 : Fixed
12	Humidification for Singular Ventilation	13	00 : Not in Use 01 : Use
13	Humidification for Heat Mode Ventilation	14	00 : Automatic 01 : Manual

※ Some contents may not be displayed depending on the product function

ENGLISH

Installer Setting -Test Run Mode

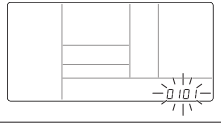
After installing the product, you must run a Test Run mode.
For details related to this operation, refer to the product manual.



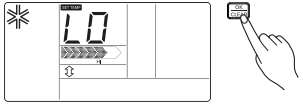
1 If pressing ⚙ button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.
- Please cancel the right and left of wind direction for RAC product.

0101
Function Code Set

2 Setup figure '01' blinks at the lower part of indication window.



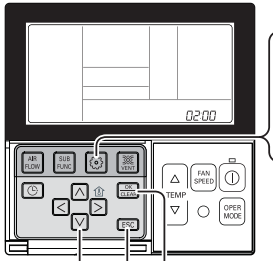
3 Press QUICK SETUP button to start.



4 During the test run, pressing the below button will exit the test run.
- Select operation, temperature up/down, wind flow control, wind direction, start/stop button.

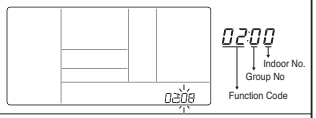
Installer Setting - Setting Address of Central Control

It's the function to use for connecting central control.
Please refer to central controller manual for the details



1 If pressing [⚙] button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

2 If entering into address setup mode by using [⚙] button, it indicates as picture below.



3 Set Group No. by pressing [∧] [∨] button.(0~F)

02F0

4 Move to Indoor No. setting option by pressing [<] [>] button.

02F0

5 Set Indoor No. by pressing [∧] [∨] button.

02F5

6 Press [CHK/CLEAR] button to save.

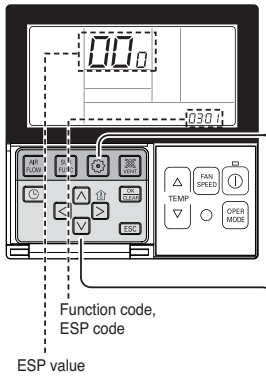
02F5

7 Pressing [ESC] button will exit settings mode.
- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

Installer Setting -E.S.P.

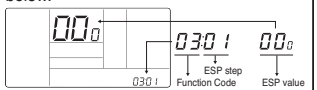
This is the function that decides the strength of the wind for each wind level and because this function is to make the installation easier.

- **If you set ESP incorrectly, the air conditioner may malfunction.**
- **This setting must be carried out by a certificated-technician.**



1 If pressing [⚙] button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

2 If entering into ESP setup mode by using [⚙] button, it indicates as the picture below.



3 Select ESP fan step by pressing [∧] [∨] button. (01: very low, 02: low, 03: medium, 04: high, 05: very high)

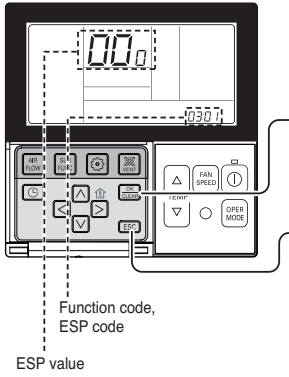
0301

4 Move to ESP value setting by pressing [>] button.
(It is 000 when delivering from the warehouse.)

0301 00

5 Press [∧] [∨] button to setup ESP value.
(It is possible to setup ESP value from 1 to 255, and 1 is the smallest and 255 is the biggest.)

- When setting ESP value on the product without very weak wind or power wind function, it may not work.



6 Select ESP fan step again by using ◁ ▷ button and setup ESP value, as No. 4 and 5, that corresponds each wind flow

7 Press OK/CLEAR button to save.

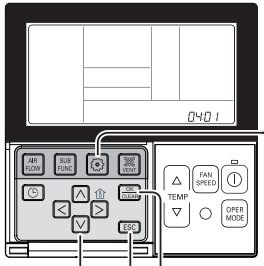
8 Press ESC button to exit.
- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

- Please be careful not to change the ESP value for each fan step.
- It does not work to setup ESP value for very low/power step for some products.
- ESP value is available for specific range belongs to the product.

ENGLISH

Installer Setting -Thermistor

This is the function to select the temperature sensor to judge the room temperature.



1 If pressing ⚙ button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

2 If moving to room temperature perception sensor selection menu by pressing ⚙ button, it indicates as picture below.

3 Set Thermistor value by pressing ∧ ∨ button. (01: Remote Controller, 02: Indoor, 03: 2TH)

Function Code — Thermistor setting

4 Press OK/CLEAR button to save.

5 Pressing ESC button will exit settings mode.
- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

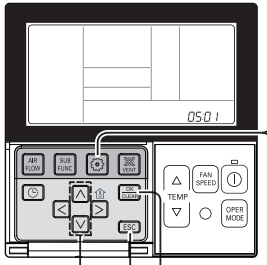
<Thermistor Table>

Temperature sensor selection			Function
01	Remote controller		Operation in remote controller temperature sensor
02	Indoor unit		Operation in indoor unit temperature sensor
03	2TH	Cooling	Operation of higher temperature by comparing indoor unit's and wired remote controller's temperature. (There are products that operate at a lower temperature.)
		Heating	Operation of lower temperature by comparing indoor unit's and wired remote controller's temperature.

❉ The function of 2TH has different operation characteristics according to the product.

Installer Setting -Ceiling Height Selection

This function is to adjust FAN Airflow rate according to ceiling height (For ceiling type product)



1 If pressing [⚙] button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

2 If moving to ceiling height selection menu by pressing [⚙] button, it indicates as picture below.

3 Select ceiling height value by pressing [∧] [∨] button. (01:Low, 02:Medium, 03:High, 04:Very high)

05:01

Function Code — Thermistor setting

4 Press [OK/CLEAR] button to save.

5 Pressing [ESC] button will exit settings mode.
- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

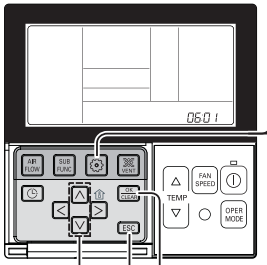
<Ceiling Height Selection Table>

	Ceiling Height Level	Description
01	Low	Decrease the indoor airflow rate 1 step from standard level
02	Medium	Set the indoor airflow rate as standard level
03	High	Increase indoor airflow rate 1 step from standard level
04	Very high	Increase indoor airflow rate 2 steps from standard level

- Ceiling height setting is available only for some products.
- Ceiling height of 'Very high' function may not exist depending on the indoor unit.
- Refer to the product manual for more details.

Installer Setting -Static Pressure Setting

This function is applied to only duct type. Setting this in other cases will cause malfunction.



1 Press [⚙] button for 4 seconds to enter the installer setting mode until timer segment displays "01:01".

2 If pressing [⚙] button repeatedly, it moves to static pressure selection menu as picture below.

3 Select static pressure by pressing [∧] [∨] button.
(01:V-H, 02:F-H, 03:V-L, 04:F-L)

06:01

Function Code — Pressure

4 Press [OK/CLEAR] button to save.

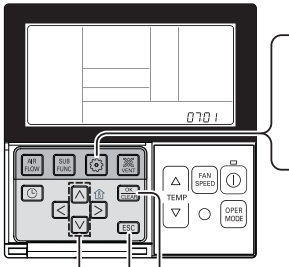
5 Pressing [ESC] button will exit settings mode.
- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

<Static Pressure Setting Table>

Pressure selection		Function	
		Zone state	ESP standard value
01	V-H	Variable	High
02	F-H	Fixed	High
03	V-L	Variable	Low
04	F-L	Fixed	Low

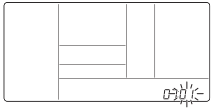
Installer Setting-Remote Controller Master/Slave Setup

It is a function for settings in group control, or 2-remote controller control.

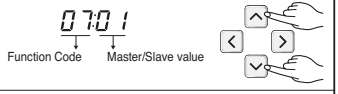


1 If pressing [⚙] button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

2 If pressing [⚙] button repeatedly, it moves to master/slave selection menu as picture below.



3 Select Master/ Slave by pressing [∧] [∨] button.
(00: Slave, 01: Master)



4 Press [OK CLEAR] button to save.

5 Pressing [ESC] button will exit settings mode.
- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

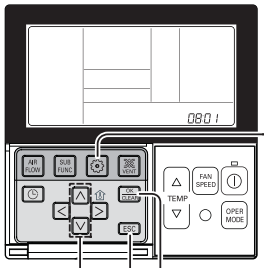
Remote controller	Function
Master	Indoor unit operates based on master remote controller at group control. (Master is set when delivering from the warehouse.)
Slave	Setup all remote controllers except one master remote controller to slave at group control

❉ Refer to the 'group control' part for details

- When controlling in groups, basic operation settings, airflow strength weak/medium/strong, lock setting of the remote controller, time settings, and other functions may be restricted.

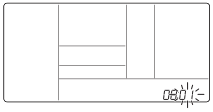
Installer Setting - Override Master/Slave Setting

Override master/slave selection function is, since Multi-V 7 series model, the function to prevent product's different mode operation. If it setup as the slave, It blocks to change opposite run mode to outdoor unit cycle (cooling/heating)

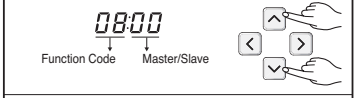


1 If pressing [⚙] button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

2 If pressing [⚙] button repeatedly, it moves to override master/slave selection menu as picture below.



3 Select Master/ Slave by pressing [∧] [∨] button.
(00: Slave, 01 : Master)



4 Press [OK CLEAR] button to save.

5 Pressing [ESC] button will exit settings mode.
- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

❉ Override master/slave selection function is possible to use only when it is connected to the succeeding models of Multi-V 7 series.

- If it is set as Override Slave, [⊜] icon is displayed on LCD Display Window. (See Figure 1)

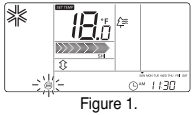
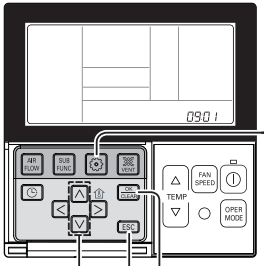


Figure 1.

Installer Setting-Dry Contact Mode Setting

Dry contact function is the function that is possible to use only when dry contact equipment is separately purchased/setup.



1 If pressing button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

2 If pressing button repeatedly, it moves to remote controller dry contact mode setup menu as picture below.

3 Select Dry contact setting by pressing button.
(00 : Manual, 01 : Automatic)

Function Code — Dry Contact setting value

4 Press button to save.

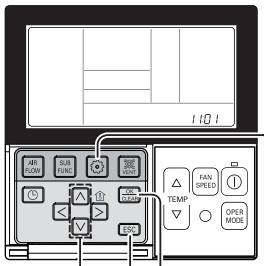
5 Pressing ESC button will exit settings mode.
❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
❉ When exiting without pressing set button, the manipulated value is not reflected.

▶ What is Dry Contact?
Like hotel card key and body perception sensor, it is the signal of the point of contact when using air-conditioner by interlocking.

• Please refer to dry contact manual for more details.

Installer Setting - Zone State

It is the function to setup indoor unit's wind flow to variable or fixed.
- Variable : Comp ON, setup airflow. Comp OFF, weak wind
- Fixed : Comp ON, setup airflow. Comp OFF, setup airflow



1 If pressing button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

2 If moving to ceiling height selection menu by pressing button, it indicates as picture below.

3 Select Zone State rate fixing mode by pressing button.
(01: Variable, 02: Fixed)

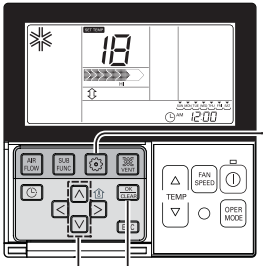
Function Code — Zone State fixing mode

4 Press button to save.

5 Pressing ESC button will exit settings mode.
❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
❉ When exiting without pressing set button, the manipulated value is not reflected.

Installer Setting-Celsius / Fahrenheit Switching

This function is used for switching the display between Celsius and Fahrenheit.
(Optimized only for U.S.A)



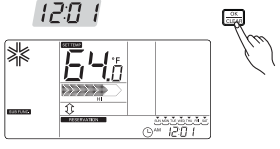
1 If pressing [⚙] button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

2 Repeat pressing [⚙] button to select Function code 12.

Ex) Fahrengeit Setting

3 Select Temperature unit mode by pressing [∧] [∨] button.
(00: Celsius, 01: Fahrenheit)

4 Press [OK CLEAR] button to save or release.



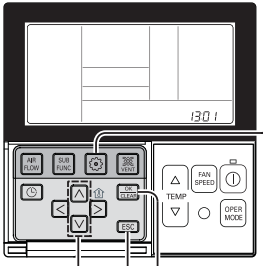
5 Press [ESC] button to exit or system will automatically exit after 25 seconds without any input.

✻ Whenever press [∧] [∨] button in Fahrenheit mode, the temperature will increase/drop 2 degrees.

Installer Setting-Zone Type Setting

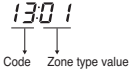
This function is only available on some products.
It is possible to setup zone new type or old one of the product which is available to install the damper controller.

⚠CAUTION
If you set zone number incorrectly, the product may malfunction especially in zone control.
This function must carried out by a certificated-technician.



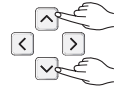
1 If pressing [⚙] button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

2 Repeat pressing [⚙] button to select Function code 13.



Ex) Setting the Zone Type as "New"

3 Select Zone Type by pressing [∧] [∨] button
(00:Old, 01:New)

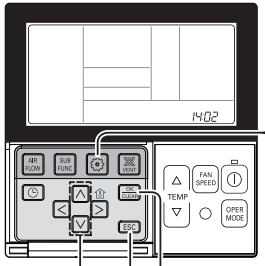


4 Press [OK CLEAR] button to save or release.

5 Press [ESC] button to exit or system will automatically exit after 25 seconds without any input.

Installer Setting-Zone Number Setting

This function is only available on some products.
Zone Number is to set the number of installed zones. It's possible to control only in zone new type



1 If pressing [⚙] button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

2 Repeat pressing [⚙] button to select Function code 14.

Ex) Setting the Zone Number for "2"

3 Select Zone Number by pressing [^] [v] button
(02~04 : number of zone installed)

4 Press [OK/CLEAR] button to save or release.

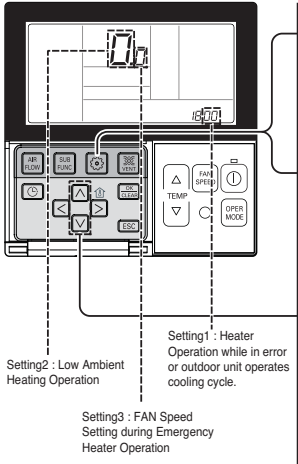
5 Press [ESC] button to exit or system will automatically exit after 25 seconds without any input.

Installer Setting- Emergency Heater Setting

This function is only available on some products
This function will set the Emergency Heater Setting.
Emergency Heater is used to heat the space in emergency case such as heat pump error.
Emergency heat is in place of and does not supplement heat pump.

※ Emergency Heater setting Function sets following conditions:
1) Emergency Heater operation while in error or outdoor unit operates cooling cycle.
2) Emergency Heater operation in Low Ambient temperature
3) Fan speed setting during Emergency Heater operation

⚠CAUTION
This function setting must be carried out by a certified-technician.
Incorrect function setting can cause fire.


Setting2 : Low Ambient Heating Operation
Setting1 : Heater Operation while in error or outdoor unit operates cooling cycle.
Setting3 : FAN Speed Setting during Emergency Heater Operation

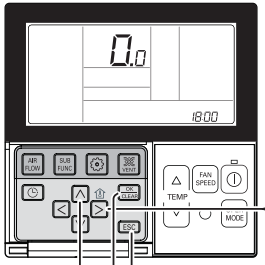
1 If pressing [⚙] button long for 3 seconds, it enters into remote controller setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

2 Repeat pressing [⚙] button to select Function code 18.

3 Select mode of Heater Operation while in error by pressing [^] [v] button

00: not use
01: use

※ If 00 is set at this stage, setting 2 & setting 3 will not be available



4 Move to Low Ambient Heating Operation setting by pressing ( ) button.

5 Press ( ) ( ) button to setup Low Ambient Heating Operation.

0 : not use
1 : use - compressor off(0°F/ -18°C) / compressor on(5°F / -15°C)
2 : use - compressor off(5°F / -15°C) / compressor on(10°F / -12°C)
3 : use - compressor off(10°F/ -12°C) / compressor on(15°F / -9°C)

※ Emergency heater operation in Low Ambient temperature
- compressor off : Emergency heater enabled
- compressor on : Emergency heater disabled

6 Move FAN Speed Setting during Emergency Heater Operation by pressing ( ) button.

7 Press ( ) ( ) button to setup FAN Speed during Emergency Heater Operation.

0 : fan off
1 : fan on

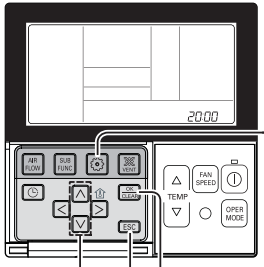
8 Press (SET) button to save.

9 Press (ESC) button to exit or system will automatically exit after 25 seconds without any input.

ENGLISH

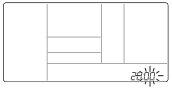
Installer Setting - Option Function Setting

Setting feature for indoor unit when air cleaning / heater / humidifier / Up/down grill / Ventilation KIT /Auxiliary Heater is newly installed, or installed unit is removed.



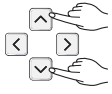
1 If pressing (⚙) button long for 3 seconds, it enters into remote controller setter setup mode.
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

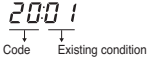
2 If pressing (⚙) button repeatedly, it moves to the selected option function code as picture below.



Function	Code
Plasma purification	20
Electric heater	21
Humidifier	22
Elevation grill	23
Ventilation kit	24
Auxiliary heater	25

3 Select existing condition of each mode by pressing ( ) ( ) button.
(00: not installed,
01 : installed)





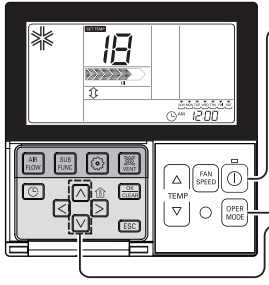
4 Press (SET) button to save.

5 Pressing (ESC) button will exit settings mode.
❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
❉ When exiting without pressing set button, the manipulated value is not reflected.

Owner's instruction

Standard Operation - Standard Cooling

It cools the room by comfortable and clean wind.



1 Press ⏻ button to turn on the indoor.

2 Press OPER MODE button to select Cooling operation mode.

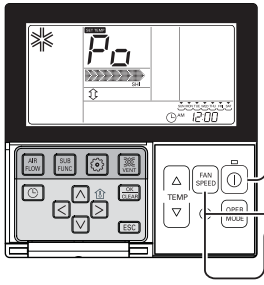
3 Adjust the desired temperature by pressing ∧ ∨ buttons.
Press > button to check the Room temperature.
When setting the desired temperature higher than room temperature, only ventilation wind is blow out instead of cooling wind.

❉ Setting Temp Range : 18˚C~30˚C (64˚F~86˚F)

ENGLISH

Standard Operation - Power Cooling

It makes the room cool using pleasant and fresh air quickly



1 Press ⏻ button to trun on the indoor.

2 Press FAN SPEED button to select cooling operation mode.

3 Press FAN SPEED button continuously until 'Po' displayed.

What is Power Cooling?

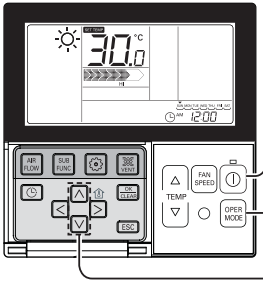
- Desired temperature: Po (actually 18°C)
- Wind flow: power wind
- Wind direction: fix to air-cooling position

} It make room temperature drop fast by running

❉ Partial product has no power air-cooling function.

Standard Operation - Heating Mode

It supplies warm wind to the indoor



1 Press ⏻ button to turn on the indoor.

2 Press OPER MODE button to select Heating mode.
(To check the indoor temperature, press the room temperature button.)

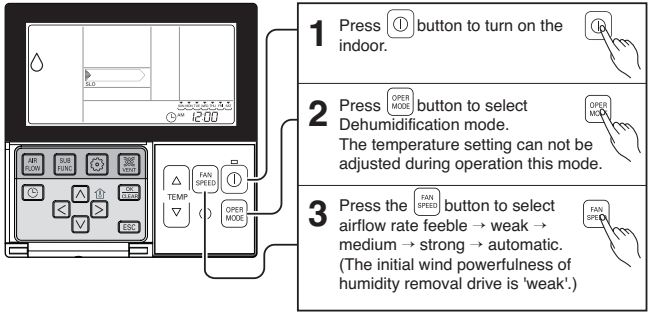
3 Adjust the desired temperature by pressing ∧ ∨ buttons.

When setting the desired temperature lower than room temperature, there is only ventilation wind.

- Heating drive only operates at the cooling and heating model.
- Heating doesn't operate at cooling exclusive model.

Standard Operation - Dehumidification Mode

It removes humidity while air-cooling weakly.



1 Press ⏻ button to turn on the indoor.

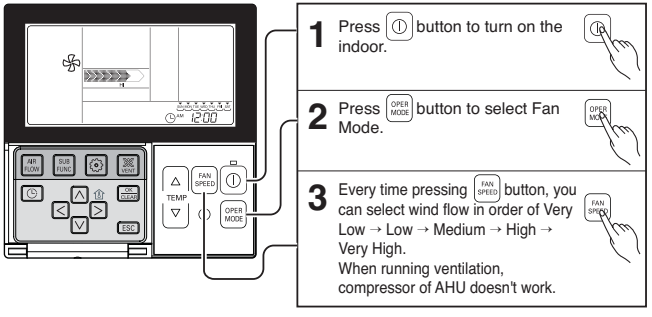
2 Press OPER MODE button to select Dehumidification mode.
The temperature setting can not be adjusted during operation this mode.

3 Press the FAN SPEED button to select airflow rate feeble → weak → medium → strong → automatic. (The initial wind powerfulness of humidity removal drive is 'weak'.)

- In rainy season or high humidity climate, it is possible to operate simultaneously dehumidifier and cooling mode to remove humidity effectively.
- The menu item of wind powerfulness might not be partially selected according to the product.

Standard Operation - Fan Mode

It blows the air as it is in the indoor, not the cold wind.



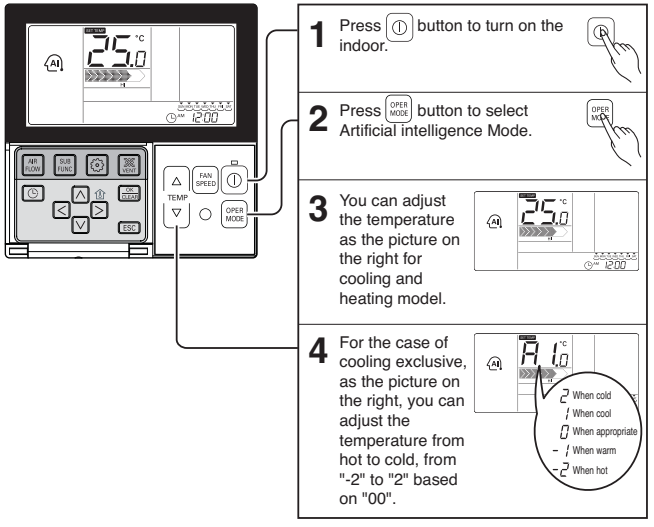
1 Press ⏻ button to turn on the indoor.

2 Press OPER MODE button to select Fan Mode.

3 Every time pressing FAN SPEED button, you can select wind flow in order of Very Low → Low → Medium → High → Very High.
When running ventilation, compressor of AHU doesn't work.

- Ventilation drive does not release cool wind but general fan
- Because it releases the wind that has no temperature difference from the room, it functions to circulate the inside air.
- The menu item of wind powerfulness might not be partially selected according to the product.

Standard Operation - Auto Operation Mode



1 Press ⏻ button to turn on the indoor.

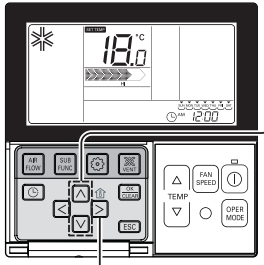
2 Press OPER MODE button to select Artificial intelligence Mode.

3 You can adjust the temperature as the picture on the right for cooling and heating model.

4 For the case of cooling exclusive, as the picture on the right, you can adjust the temperature from hot to cold, from "-2" to "2" based on "00".
2 When cold
1 When cool
0 When appropriate
-1 When warm
-2 When hot

During operating Auto Operation mode:
- We can use the FAN SPEED button
- We can change manually to other operation mode.

Standard Operation - Temperature Setting/Room Temperature Check



Temperature Setting

1 We can simply adjust the desired temperature.
- Press the ▲ ▽ buttons to adjust the desired temperature.

▲ : Increase Temp. per one time pressing
▽ : Decrease Temp. per one time pressing

- Room temp: Indicate the current room temperature.
- Set temp: Indicate the temperature that user want to set.

Cooling operation:
- The cooling mode doesn't work if desired temperature is higher than room temperature Please lower the desired temperature.

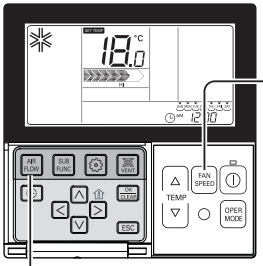
Heating operation:
- The heating mode doesn't work if desired temperature is lower than room temperature Please increase the desired temperature.

Room Temperature Check

1 Whenever press ⌂ button, the room temperature will be displayed within 5 seconds.
After 5 seconds, it turns to display the desired temperature.
Because of location of remote controller, the real room temperature and the this displayed value can be different

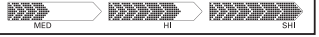
- For air-cooling drive, from 18°C to 30°C, and for heating drive, from 16°C to 30°C, you can select desired temperature.
- 5°C is proper for the difference between room and outside temperature.

Standard Operation - Airflow Setting



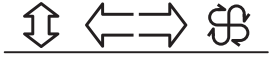
Wind powerfulness : You can simply adjust desired wind powerfulness.

1 Please setup desired wind powerfulness by wind powerfulness button.
- Every time you press wind powerfulness, you can select the wind flow in order of 'feeble → weak → weak medium → medium → medium strong → strong → power → automatic'.
- The menu item might not be partially selected according to product function.
- Please refer to product manual for product's detailed function.



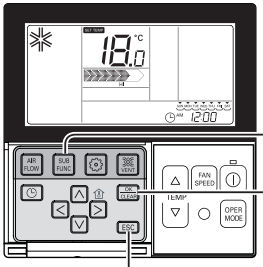
Wind direction : You can simply adjust desired wind direction.

1 Please set desired wind direction by pressing AIR FLOW button.
You can select wind direction of (comfortable wind → Up/Down and Right/Left → Right/Left → Up/Down) by pressing AIR FLOW button.
Partial item of wind directions might not be selected according to product function.
Please refer to product manual for product's detailed function.



Sub function - Direct Wind / Indirect Wind

It is the function to directly or indirectly control wind direction by body perception sensor.



The method to setup direct/indirect wind

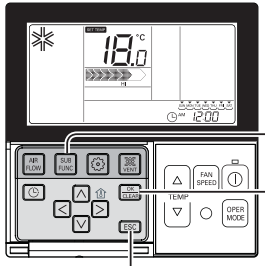
1 Please press SUB FUNC button.

2 The icon of direct/indirect wind blinks on the display, and then, if pressing SUB FUNC button, direct/indirect wind icon is fixed and the function is setup.

direct wind

indirect wind

3 If pressing ESC button, it gets out of setup mode.



The method to cancel direct/indirect wind

1 Please press SUB FUNC button.

2 The icon of direct/indirect wind blinks on the display, and then, if pressing SUB FUNC button, direct/indirect wind icon is removed and the function is cancelled.

3 If pressing ESC button, it gets out of setup mode.

- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

direct wind

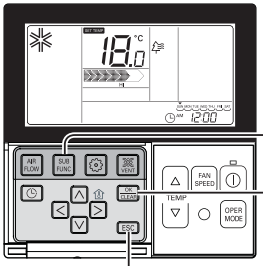
indirect wind

- Direct/indirect wind function is additional function and it might not be indicated or operated at the partial product.
- Direct/indirect wind function is possible only when product is running.

ENGLISH

Sub function - Plasma Purification

Only products with humidifying function can use this.



The method to setup cleaning air

1 Repeat pressing SUB FUNC button until icon flash.

2 Operate or cancel Plasma Purification function by pressing OK CLEAR button.
(icon appears/disappears on SUB FUNCTION display part up to selection)

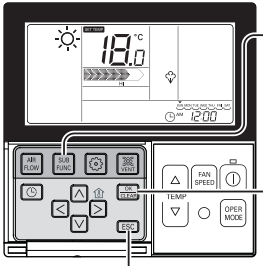
3 After setting, press ESC button to exit.

❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
❉ When exiting without pressing set button, the manipulated value is not reflected.

- Cleaning air function is additional function and it might not be indicated or operated at the partial product.
- Cleaning air function is possible only when product is running.
- If you want independent cleaning air drive, please setup cleaning air by pressing additional drive button at ventilation drive.

Sub function - Humidifier

Only products with humidifying function can use this.



1 Repeatedly pressing SUB FUNC button until icon flash.

2 Turn on/off HUMIDIFIER by pressing OK CLEAR button (The icon will be displayed in case of SETTING option and disappear in reverse case .)

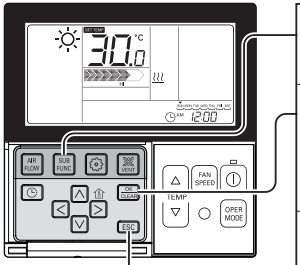
3 Press ESC button to exit.
❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
❉ When exiting without pressing set button, the manipulated value is not reflected.

- Humidification function might not be operated at the partial product.

Sub function - Electric Heater

It is a function to strengthen the heating ability by turning on the electric heater during the heating operation.

It can only be set during heating operation.



1 Repeatedly pressing SUB FUNC button until ≋ icon flash.

2 Turn on/off ELECTRIC HEATER by pressing OK CLEAR button (the ≋ icon will be displayed in case of SETTING option and disappear in reverse case .)

3 Press ESC button to exit.
- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing OK CLEAR button, the manipulated value is not reflected.

- Heater function is additional function and it only operates in selected models.
- The indoor unit product with Auxiliary Heater function set automatically displays (≋) icon during the AUXILIARY HEATING OPERATION.

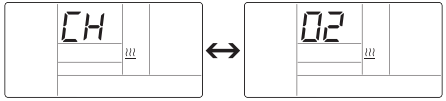
When using non-heat recovery out door unit , emergency heater can be turned on for simultaneous heating and cooling. Indoor unit with the emergency heater must be turned OFF for simultaneous cooling and heating

※ Heater function is additional function and it only operates in selected models.

Emergency heater can be turned on while in error code in case of emergency.
Electric heater icon is displayed on LCD display window with error code when emergency heater is on while in error

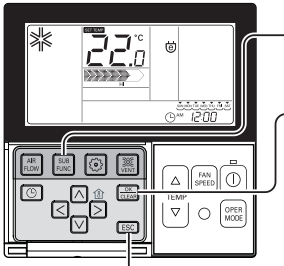
※ Exception case: Error code 1,3,9,10

※ If the previous mode of the Indoor unit is COOL, DRY or FAN ONLY mode, heater must be turned on manually.



Sub function - Energy-Saving Cooling Operation

Power saving air-cooling function is the function to improve use's comfortableness and power saving capacity by adjusting desired temperature while running air-cooling



1 Repeatedly pressing SUB FUNC button until ⓔ icon flash.

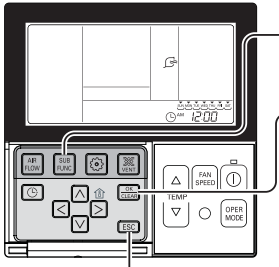
2 Operate or cancel Energy-Saving function by pressing OK CLEAR button.
(To cancel power saving function, you move to power saving menu by pressing SUB FUNC button, and then if pressing OK CLEAR button, power saving icon disappears and the function is cancelled.)

3 Press ESC button to exit.
- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

- Power saving function is possible to setup only when running air-cooling.
- Power saving function might not be operated at the partial product.

Sub function - Robot Cleaning Manual Setup

Robot cleaning function is the function for cleaner attached to the product to automatically clean the filter when using air-conditioner for the specific period of time.



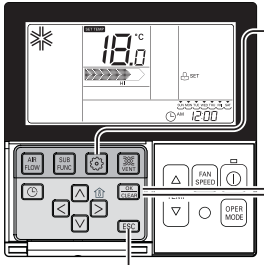
1 Repeatedly pressing SUB FUNC button until icon flash.

2 Turn on/off Smart Clean function by pressing OK CLEAR button.
- ❉ When the cleaning is finished, the smart cleaning display disappears automatically.
- ❉ To cancel robot cleaning manual setup function, you move to power saving menu by pressing SUB FUNC button, and then if pressing OK CLEAR button, "robot cleaning" icon disappears and the function is cancelled.

3 After setting, press ESC button to exit.
- ❉ Robot cleaning manual setup function might not be operated at the partial product.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

Function setting - Child Lock

It is the function to use preventing children or others from careless using.



1 Press button repeatedly until the is flashing.

2 If moving to 'setup' icon area by using button, 'setup' icon blinks, and child lock function is setup if pressing OK CLEAR button at that time.

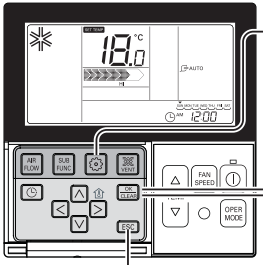
3 When cancelling lock function, if moving to 'cancel' icon by pressing button and then, pressing OK CLEAR button, child lock function is cancelled.

4 Press ESC button to exit.
- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

Function setting - Robot Cleaning Automatic Setup

Robot cleaning function is the function of cleaner attached to the product to automatically clean filter when using air-conditioner for the specific period of time.

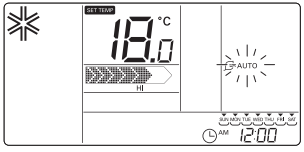
Set manual or automatic mode of smart cleaning.



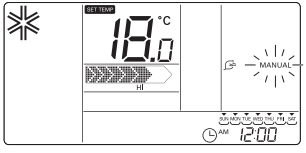
1 Press button repeatedly until the AUTO is flashing.

2 When the AUTO flashing, press button to set/clear this function.

Set state : Enable Auto Smart Clean function



Clear state : Disable Auto Smart Clean function



3 When returning to manual robot cleaning, manual function is cancelled if moving to 'manual' icon by pressing Right/Left button and then, pressing button.

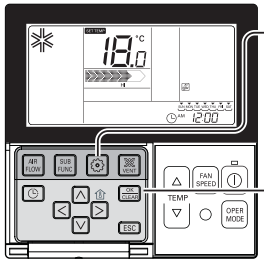
4 Press ESC button to exit.

- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

• Robot cleaning function is an additional function of the product and might not be operated at the partial product.

Function setting - Filter Sign Clear

This function is to clear the indicator of indoor filter cleaning.



1 Press button repeatedly until the is flashing.

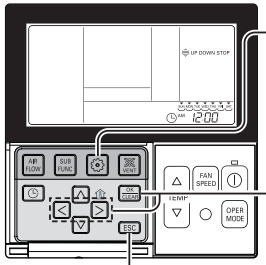
2 When the is flashing, press the to clear this display

• When filter is covered by dust, it will reduce cooling/heating efficiency and accumulate more electric power. Therefore. do clean the filter whenever cleaning time is expired.

❉ Filter cleaning indication is automatically cancelled without the separate cancellation after certain period of time.

Function setting - Elevation Grill

This function is to move the indoor filter up/down for cleaning filter.



1 Press [⚙] button
Repeat pressing [⚙] button until ⇳ icon flash.

2 Move to descent using [<] [>] button and press [OK/CLEAR] button will display descent icon and the up/down grill will descent.

3 When up/down grill descents to the desired position, move to stop icon suing [<] [>] button and press [OK/CLEAR] button to stop up/down grill.

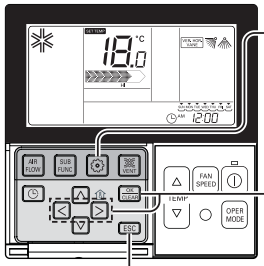
4 When filter cleaning is finished, fix the filter to the up/down grill, move to ascent icon using [<] [>] button, and press [OK/CLEAR] button to ascent up/down grill.

5 Press [ESC] button to exit.
❉ After setup, it automatically gets out of setup mode if there is no button input for 60 seconds.
❉ When exiting without pressing set button, the manipulated value is not reflected.

• Elevation grill function only operates in the indoor unit with the elevation grill.

Function setting - Vane Angle Control

This function is to adjust angle at which airflow is blow out.



1 Repeat pressing [⚙] button until ⇛ icon flash.

2 Press [∧] [∨] button to select active vane : 1 / 2 / 3 / 4 / All / Standard
Select Vane number using [<] [>] buttons.
❉ Vane number : No. 1, 2., 3, 4, all, or standard
- Selected vane is in operation.
- Please verify the operating vane.
- To set the angle of all the vanes, select 'all'.
- To set as the factory default settings, select 'standard'.

3 Select wind angle using [∧] [∨] button, and press [OK/CLEAR] button.
- The boundary of wind angle settings can be changed to 5 levels or 6 levels according to the product.
- When selecting 'standard' for Vane number, the wind angle does not move.

4 Set the wind angles for the remaining vanes as the same as above.
❉ There are products with vanes with no. 1 and no. 2 only according to the product types.

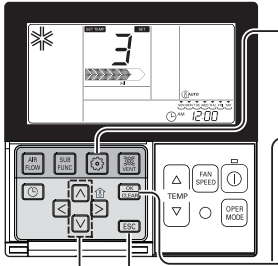
5 Press [ESC] button to exit.
❉ After setup, it automatically gets out of setup mode if there is no button input for 60 seconds.
❉ When exiting without pressing set button, the manipulated value is not reflected.

6 Press [OK/CLEAR] button to complete and active the setting process.
(Airflow direction function will be released whenever setting vane angle)

7 Press [ESC] button to exit or system will automatically release without any input after 25 seconds.

Function Setting - Change Temp

Change temperature is the function to setup air-cooling and heating drive automatically changeable according to the temperature at artificial intelligence drive mode.



1 Repeat pressing ⚙ button until AUTO icon flash.

2 Press ∧ ∨ button to change.
❉ Converting temp value : 1~7

1 → 3

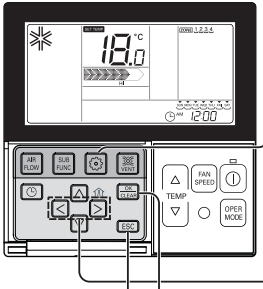
3 Press OK button to complete and active the setting process.

3

4 Press ESC button to exit or system will automatically release without any input after 25 seconds.
❉ When exiting without pressing set button, the manipulated value is not reflected.

Function setting : Zone Control

To turn on/off the zones by used of it



1 Repeat pressing ⚙ button until ZONE icon flash.

Ex) Turn on the zone 1 and zone 3.

2 Press < > button to select the zone that which one you want to turn on/off.

ZONE 1 2 3 4

3 Press OK button to turn on/off zone.

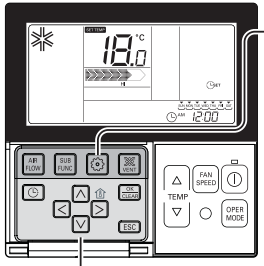
ZONE 1 2 3 4

4 Press < > button To select other zones If you want.
Then, Press OK button to turn on/off that zone as mentioned above

ZONE 1 2 3 4

5 Press ESC button to exit or system will automatically release without any input after 25 seconds.
❉ When exiting without pressing set button, the manipulated value is not reflected.

Function setting - Changing Current Time



1 Please press function setup button. If pressing function setup button repeatedly, it moves to time setup menu. 'Time setup' icon is indicated at that time and date blinks at current time indication area.

Ex) Changing Current Time as 'Monday / AM 10:20'.

2 Press ◁ ▷ key to adjust the current day.

SUN MON TUE WED THU FRI SAT

3 Press ▽ key to move to AM/ PM setting mode (the 'AM/ PM segment will flash).

AM 12:00

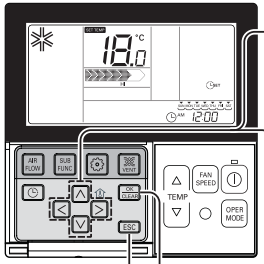
4 Setting AM/ PM value by pressing △ ▽ button.

5 Press ◁ ▷ button to move to 'Hour' setting mode. (the 'Hour' segment will flash)

AM 12:00

6 Setting Hour value by pressing △ ▽ button.

AM 10:00



7 Press ◁ ▷ button to move to 'Minute' setting mode. (the 'Minute' segment will flash)

AM 10:00

8 Setting Minute value by pressing △ ▽ button.

AM 10:20

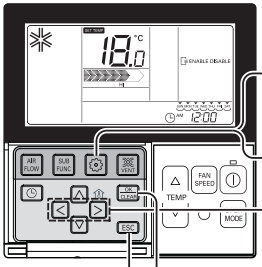
9 Press OK/CLEAR button to finish.

AM 10:20

10 In the process, press ESC button to release and exit from setting mode.
(In case of exit with incomplete information, it will return to the previous setting)

❉ When exiting without pressing set button, the manipulated value is not reflected.

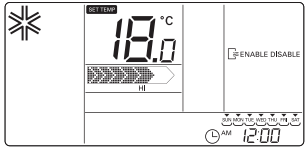
Function setting - Auto Cleaning



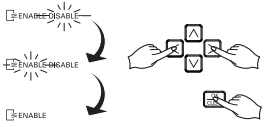
The method to setup Automatic Drying

1 Please press [⚙] button.

2 Move to automatic drying menu by pressing [⚙] button twice. 'Automatic Drying' icon will be displayed and the current status, 'DISABLE' will blink.



3 If moving to 'ABLE' icon area by using [<] [>] button, 'ABLE' icon blinks, and automatic dry function is setup if pressing [OK/CLEAR] button at that time.



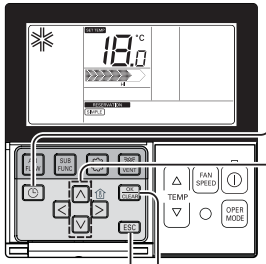
4 When returning to automatic dry no use, automatic dry function is cancelled if moving to 'DISABLE' icon by pressing [<] [>] button and then, pressing [OK/CLEAR] button.

5 If pressing [ESC] button, it gets out of setup mode.
- ❉ After setup, it automatically gets out of setup mode if there is no button input for 60 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

• Automatic dry function might not be operated at the partial product.

Programming - Simple Reservation

You can set the reservation conveniently in the units of 1 hour from 1 hour to 7 hours.

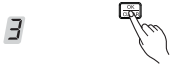


1 Press [⏲] button to enter the Programming mode.
(the [SIMPLE] segment flashing)

Ex) Setting Simple Reservation time as '3'.

2 Press [△] [▽] button to adjust reservation time.

3 Press [OK/CLEAR] button to finish setting.

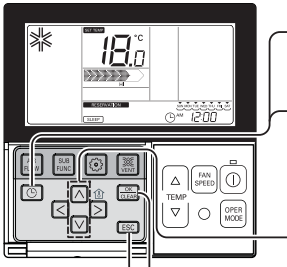


4 Press [ESC] button to exit.
- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

❉ When simple reservation setup, product automatically runs or stops after the time that is set.

Programming - Sleep Reservation

Sleep reservation is the function of air-conditioner to run and stop after certain period of time at sleep mode before sleep. When connected to a ventilation product and set the sleep reservation, when it goes to the sleep mode, after the set time has elapsed.



1 Press [⏲] button to enter the Programming mode.
Ex) Setting Sleep Reservation time as '3'.

2 Repeat pressing [⏲] button to enter the SLEEP reservation setting mode.
([SLEEP] segment flashing)

3 Press [∧][∨] button to adjust reservation time.
The SLEEP reservation time is from 1 to 7 hours.

1h ➜ 3h

4 Press [TIME/ENTER] button to finish setting. [OK/CLEAR]
Whenever reservation is done.

5 Press [ESC] button to exit.
❉ After setup, it automatically gets out of setup mode if there is no button input for 60 seconds.
❉ When exiting without pressing set button, the manipulated value is not reflected.
- If reservation is setup, 'sleep' indication shows up at the lower part of LCD screen.

6 If finishing sleep reservation setup, air-conditioner product operates sleep drive and stops after the time that is set.

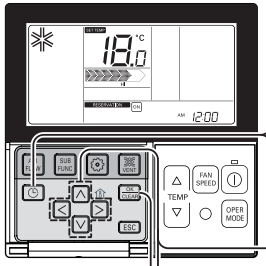
⚠CAUTION

Please reserve proper time at sleeping. (Too much air-cooling is not good for your health.)

- Because it automatically adjusts desired temperature for comfortable air-cooling at sleep drive, there could be difference between remote controller's desired temperature and air-conditioner body's desired temperature.
- Sleep reservation operates as off reservation for the product whose temperature adjustment isn't controlled by unit of 0.5°C.

Programming - ON Reservation

Automatically turned On at reserved time that you set.



1 Press [⏲] button.
Ex) Setting ON Reservation Time as 'AM 10:20'.

2 Repeat pressing [⏲] button to enter the ON reservation setting mode.
([ON] segment flashing)

3 Press [∧][∨] button to adjust AM/ PM setting.

AM 12:00

4 Press [<][>] button to Hour setting mode. When the Hour icon flash, please setting time.
The setting range is within 1~12.

AM 12:00

AM 10:00

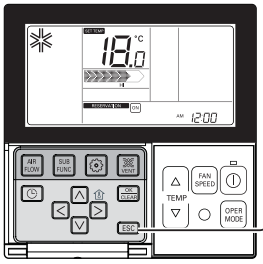
5 Press [<][>] button to shift to Minute setting mode. When the Minute icon flash, please setting minute the setting range is within 00~59.

AM 10:00

AM 10:20

6 Press [OK/CLEAR] button to finish setting.

AM 10:20

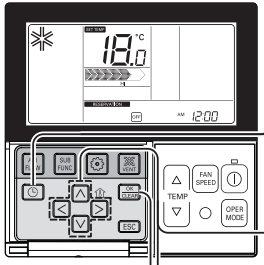


7 Press ESC button to exit.

- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.
  - If reservation is set, 'turned on' indication shows up at the lower part of LCD screen, and air-conditioner product runs at the time that is set.
  - If reservation is cancelled, 'turned on' indication disappears.

Programming - OFF Reservation

Automatically turned Off at reserved time that you set.



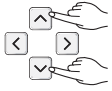
1 Press ⏲ button.

Ex) Setting OFF Reservation
Time as 'AM 10:20'.

2 Repeatedly pressing ⏲ button to enter the OFF reservation setting mode.
(OFF segment flashing)

3 Press △ ▽ button to adjust AM/ PM setting.

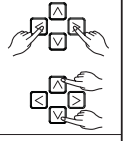
AM 12:00



4 Press ◁ ▷ button to shift to Hour setting mode. When the Hour icon flash, please setting time.
The setting range is within 1~12.

AM 12:00

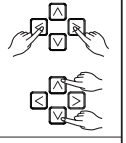
AM 10:00



5 Press ◁ ▷button to shift to Minute setting mode. When the Minute icon flash, please setting minute the setting range is within 00~59.

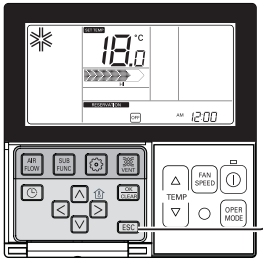
AM 10:00

AM 10:20



6 Press ESC button to finish setting.

AM 10:20



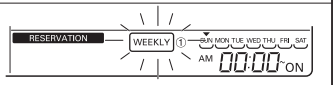
7 Press ESC button to exit.
- ❉ After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.
  - If reservation is set, 'turned off' indication shows up at the lower part of LCD screen, and air-conditioner product runs at the time that is set.
  - If reservation is cancelled, 'turned off' indication disappears.

Programming : Weekly Reservation

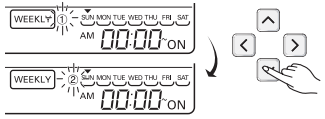
You can set the daily reservation in weekly unit.
Weekly reservation keeps operating until before you cancel it once you setup

1 Please move to reservation setup mode by pressing reservation button.
- ❉ You can setup two weekly reservations for one day, and up to fourteen reservations for a week.
  For example, to setup (Tuesday morning 11:30 turned on ~ afternoon 12:30 turned off), you setup in order below.

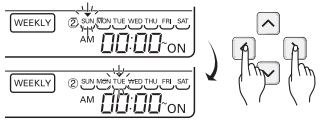
2 Please move to 'weekly' by repeatedly pressing reservation button. 'Weekly' blinks at this time.



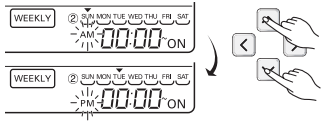
3 Please select weekly reservation or weekly reservation ¡ by using ∧∨ button.
- ❉ You can setup two reservations, weekly reservation 1 and weekly reservation 2, for a day.



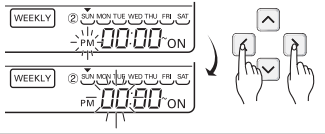
4 Please move to 'date' setup part by using <> button. If 'date' indication blinks, please setup date. You can setup date from Monday to Sunday.



5 Please move to 'AM/PM' setup part of turning on by using ∧∨ button.



6 Please move to 'hour' setup part of turning on by using <> button.
- It is the part to setup the time at which air-conditioner is turned on.

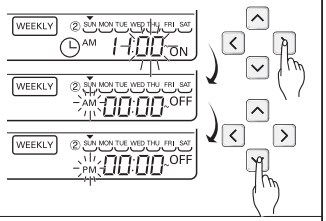


7 Please change time by using ∧∨ button.
- You can setup hour 0~12.

8 Please move to 'minute' setup part of turning on by using > button.

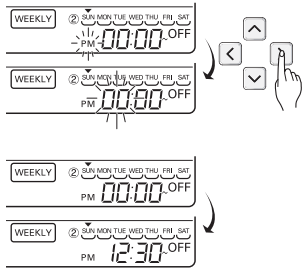
9 If 'minute' indication blinks, please setup 'minute' by using ∧∨ button

10 Please move to 'AM/PM' setup part of turning off by using ▷ button.
- AM/PM setup is identical with turning on time setup.



11 Please move to 'hour' setup part of turning off by using Right button.
- It is the part to reserve the time at which air-conditioner is turned off.
- If 'hour' indication blinks, please setup 'hour'.

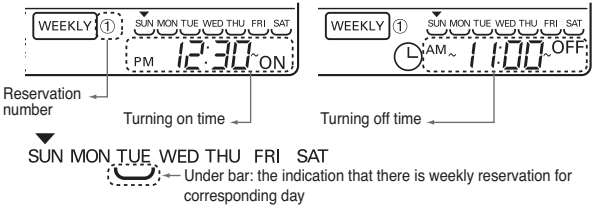
❉ Please setup 'hour' and 'minute' identically with the method to setup turning on time.



12 If finishing weekly reservation setup, please press setup/cancellation button.
Weekly reservation setup for the day that you set is finished.

13 If you setup with the method identical with above by selecting the day that you'd like to setup, it operates weekly reservation.

Weekly reservation explanation


WEEKLY ①
SUN MON TUE WED THU FRI SAT
PM 12:30 ON
AM 11:00 OFF
Reservation number
Turning on time
Turning off time
SUN MON TUE WED THU FRI SAT
Under bar: the indication that there is weekly reservation for corresponding day

❉ Indoor unit is turned on to desired temperature if it is configured using up/down button during preset of weekly operation time. (Temperature selection range : 18°C~30°C)
- When desired temperature is not set, it is turned on automatically with desired temperature of previous operation.

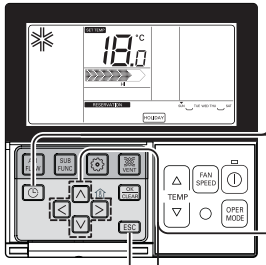
❉ To cancel all weekly timers,
-Pressing set/cancel button while "weekday" display is blinking will cancel the timer.

❉ To cancel the corresponding set individual day of the week,
- After selecting the corresponding day of the week, set the ON timer time to be the same as OFF timer time, and pressing set/cancel button will cancel the timer.

ENGLISH

Programming : Holiday Reservation

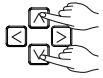
It automatically stops at reserved day that you set.



1 Please press ⏲ button.
It enters into reservation setup mode.

2 Please move to 'holiday' by repeatedly pressing ⏲ button.

3 Please move to 'date' that you want to setup holiday by using ◁ ▷ button.



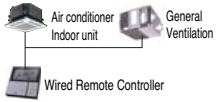
4 Please appoint or cancel holiday by using △ ▽ or SET/CLEAR button.
For example, when you setup Monday/Friday to holiday
- 'Monday', 'Friday' letter disappears.

5 Please press ESC button if finishing holiday setup.
❉ If it comes to appointed holiday, air-conditioner automatically stops. Once you setup holiday appointment, until before you cancel holiday setup, air-conditioner automatically stops within one hour even though you run air-conditioner.

Ventilation Product User Manual - Interlinked Air conditioner and Ventilation

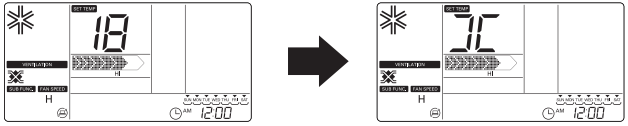
1. Control using remote controller where air conditioner indoor unit and the ventilation product is installed at the same time.

- When the power is turned on, your remote control recognizes the product (takes about 30 seconds) and then works normally.

	Single Operation	Interlinked Operation
General Ventilation	(General Ventilation Single Operation) 	(General Ventilation Interlinked Operation) 
Direct Expansion Ventilation	(Direct Expansion Ventilation Single Operation) 	(Direct Expansion Ventilation Interlinked Operation)

❉ Connecting wires is the same as air conditioner user manual. (Refer to page about Group control)

2. Press 'Ventilation' button on the wired remote controller and enter Ventilation control mode to check the operation of ventilation product.

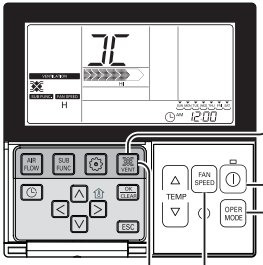


3. To convert back to air conditioner mode, press 'Ventilation' button at the ventilation mode.

- If no button pressed for 15 seconds or more at ventilation mode, it automatically converts back to air conditioner mode.
- Ventilation product represent general ventilation product and direct expansion ventilation product.

Ventilation Product User Manual - Interlinked operation with general ventilation

It is used when air conditioner is interlinked with ventilation product.
It is a function that cools and refreshes indoor air using the ventilation product at the same time operating the air conditioning function.



Ventilation interlinked operation

1 Press [VENT] button on the remote controller control panel.
- It is only used when air conditioner and general ventilation is interlinked.

2 Pressing 'Start/Stop' button at ventilation mode will start ventilation.

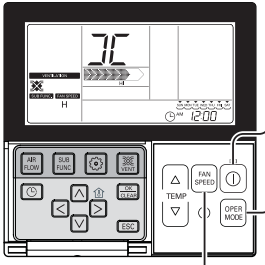
3 Pressing [OPER MODE] button will change the ventilation operation mode.
Pressing operation selection button will change the mode in the order of 'Heat exchange → normal → automatic'
❉ It only displays on the remote controller display when it is in ventilation mode, and it displays the desired temperature when it returns to air condition mode.

4 Pressing [FAN SPEED] button in general ventilation mode will change airflow speed.
Pressing airflow speed button will change the mode in the order of 'weak → strong → extra strong'.
If CO2 sensor is installed, it can select from 'weak → strong → very strong → automatic'.

5 Changing back to air conditioner mode
1)Automatic Conversion : when no button is pressed for 15 seconds or longer, it automatically converts back to air conditioner mode.
2) Manual Conversion : Pressing [VENT] button in ventilation mode will manually convert.

Manual Conversion - Pressing 'Ventilation' button in ventilation mode will manually convert

It is a function to cool and refresh the indoor air using general ventilation product..



Ventilation single operation

1 Press ⏻ button on the remote controller.

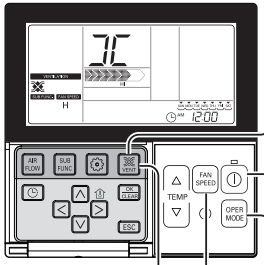
2 Pressing OPER MODE button will change the ventilation mode.

Ventilation mode	Remote Controller Display	Contents
Heat exchange	JC	Circulate indoor air without loss of heat
Normal	[ ]	Directly circulate indoor air without going through heat exchanger
Automatic	AU	Circulate indoor air with automatically comparing indoor and outdoor air

3 Pressing FAN SPEED button will change the strength of the wind
- Pressing the button can select from 'weak → strong → very strong'.
- If CO2 sensor is installed, it can select from 'weak → strong → very strong → automatic'.

Ventilation Product User Manual - Interlinked Operation with Direct Expansion Ventilation

It can only be used when the air conditioner is interlinked with direct expansion ventilation product.



Interlinked Operation with Direct Expansion Ventilation

1 Press VENT button on the remote controller.
- It is used only when air conditioner and the ventilation product are interlinked. ('Interlinked operation' displayed on the remote controller display)

2 Pressing ⏻ button in ventilation mode starts ventilation.

3 Pressing OPER MODE button in ventilation mode will change the ventilation mode.
- Every time the button is pressed, it changes from 'Heat exchange → normal → automatic'.

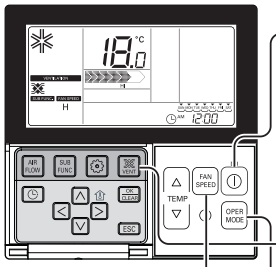
❉ The display on the remote controller displays only when it is in ventilation mode, and when it converts to air conditioner mode, it displays the desired temperature.

4 Pressing FAN SPEED button in ventilation mode changes the strength of wind.
- Pressing the button can select from 'weak → strong → very strong'.

5 Changing back to air conditioner mode
1) Automatic Conversion : when no button is pressed for 15 seconds or longer, it automatically converts back to air conditioner mode.
2) Manual Conversion : Pressing VENT button in ventilation mode will manually convert.

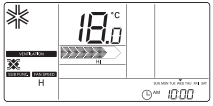
Ventilation Product User Manual - Single Operation with Direct Expansion Ventilation

Pressing It performs ventilation operation with cooling or heating at the same time using the heat exchanger inside the direct expansion type ventilation product.



Direct expansion type ventilation single operation

1 ⏻ button on the remote controller. It displays as the figure right side in the direct expansion type ventilation single operation.



2 Pressing VENT button will change the ventilation mode.
Pressing the button converts from 'heat exchange → normal → automatic'.

Ventilation mode	Remote Controller Display	Contents
Heat exchange	JC	Circulate indoor air without loss of heat
Normal	[ ]	Directly circulate indoor air without going through heat exchanger
Automatic	AU	Circulate indoor air with automatically comparing indoor and outdoor air

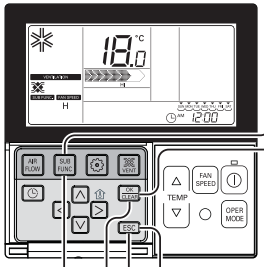
❉ The 88 segment display above is only displayed when it is in direct expansion type ventilation single operation and the air conditioner is stopped.

3 Pressing OPER MODE button will change operation mode.
- Pressing the button will convert from 'cooling → eating → automatic → stop'.

4 Pressing FAN SPEED button in ventilation mode changes the strength of wind.
- Pressing the button can select from 'weak → strong → very strong'.
❉ Cooling/heating operation selection and the desired temperature can be adjusted in direct expansion type ventilation single operation.
❉ Refer to the basic operation - temperature adjustment for changing desired temperature.

Ventilation Product Additional Operations - Fast / Power Saving

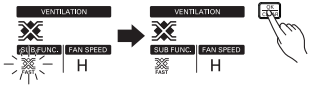
It is a function to operate ventilation function more efficiently through the ventilation additional functions, fast / power saving settings.



Fast : ventilates fast

1 Press SUB FUNC button in ventilation mode.
- It converts in the order of 'fast → power saving' in ventilation mode.

2 'Fast' is blinking on the display, and pressing OK/CLEAR button will stabilize 'fast' icon, and the function is set.

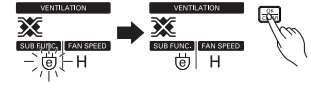


3 Pressing ESC button will exit the settings.

Power Saving : efficiently ventilates and performs power savings.

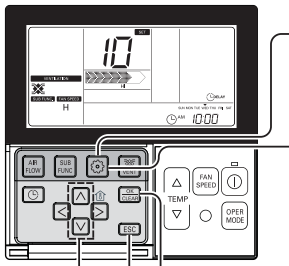
1 Press SUB FUNC button in ventilation mode.
- It converts in the order of 'fast → power saving' in ventilation mode.

2 'Power Saving' is blinking on the display, and pressing OK/CLEAR button will stabilize 'Power Saving' icon, and the function is set.



3 Pressing ESC button will exit the settings.
❉ General ventilation and direct expansion ventilation have the same additional functions.
❉ Ventilation/Heater/Humidifier additional function settings are the same as air conditioner.

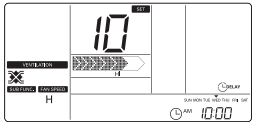
Ventilation Product Function Settings



Delay Time : It operates after delay time in ventilation operation.

1 Press Settings button.

2 Pressing button repeatedly will move to the delay time menu. Then delay time icon is displayed, and the delay time blinks at the perature display area.



3 Pressing button will change the delay time settings.
- ❉ Boundary of delay time settings : 00 ~ 60 minutes (in the units of 1 minute)

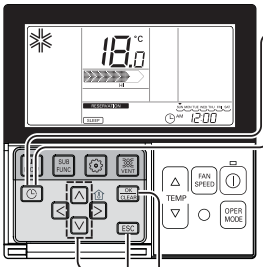
4 When the desired delay time is displayed, press button to finish the settings.

5 Press ESC button when the setting is finished.
- ❉ If no button input for 1 minute after the setting, it exits the settings mode automatically.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.

Lock, Filter Cleaning, Time Setting, Converting Temperature

- ❉ Refer to 'Function Settings - Lock Settings' part for lock function.
- ❉ Refer to 'Function Settings - Filter Cleaning Display Release' part for Filter Cleaning function.
- ❉ Refer to 'Function Settings - Time Settings' part for Time Setting function.
- ❉ Refer to 'Function Settings - Temperature Conversion' part for Temperature Conversion function.

Ventilation Product Reservations Settings



Sleep Reservations : Sets to operate ventilation lightly during the sleep.

1 Press button to enter the reservation settings mode.

2 Press button again to move to Sleep. 'Sleep' icon blinks and the reservation time is displayed.

3 Use button to set the reservation time.
Reservation time can be set between 1 ~ 12 hours.

4 When Sleep reservation setting is finished, press button.

5 Pressing ESC button will exit the settings mode.
- ❉ If no button input for 60 seconds after the setting, it exits the settings mode automatically.
- ❉ When exiting without pressing set button, the manipulated value is not reflected.
- When the reservation is set, 'Sleep' is displayed at the bottom of LCD screen.

- When the reservation is cancelled, 'Sleep' mark disappears.

6 When the sleep reservation setting is finished, it operates lightly for the set time.

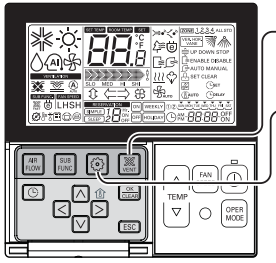
Simple, ON, OFF, Weekdays, Holidays Reservations

- ❉ Please refer to the Reservation Settings part of the air conditioner for Simple, ON, OFF, Weekdays, Holidays Reservations

Ventilation Product Installer Setting Functions - Entering Method

⚠CAUTION

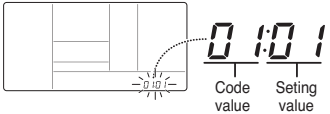
- Installer setting mode is a mode to set the detail functions of the remote controller.
- When the installer settings are not set properly, it may cause the fault of the product, injury to the user, or damage to the property.
- It must be set by a certified technician, and when it is installed without certified technician or changed discretionally, all of the problems are the responsibilities of the installer, and we do not provide service free of charge.



1 Press [VENT] button to enter ventilation mode.

2 Pressing [⚙] button down for more than 3 seconds will enter the settings mode.
- Pressing once shortly will enter the user settings mode. You must press down for more than 3 seconds.

3 When you enter the installer settings mode, the data value that can be set is displayed at the lower right corner of LCD screen.



• Some categories of the menu may not be displayed according to the function of the product, or the menu name may be different.

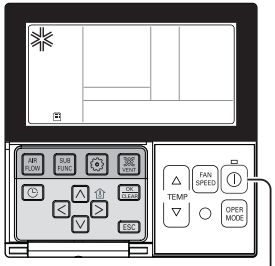
Simple, ON, OFF, Weekdays, Holidays Reservations

❉ Please refer to the Reservation Settings part of the air conditioner for Simple, ON, OFF, Weekdays, Holidays Reservations

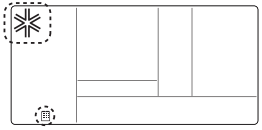
Different mode drive

Different mode drive is a phenomenon taking place when indoor units' drive mode is different in the case that a few indoor units are set up at one AHU.

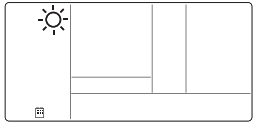
(Different mode drive doesn't show up at cooling exclusive model.)



1 While a few indoor units are running air-cooling at one AHU, it doesn't operate heating drive if one indoor unit operates heating drive.



2 While a few indoor units are running heating at one AHU, it doesn't run if one indoor unit runs cooling or humidity removal.
It is the indication that it is operating heating drive at AHU.



3 If pressing [⏻] button, indoor unit automatically runs at the mode that different indoor units are running after about 5 seconds and operates.

Checkups before reporting breakdown

Please first check the items below for product's defects before consulting to service center.

Symptoms	Check-up	Management
It has no power on.	• Is air-conditioner's power on?	• Please check up circuit breaker. • Please check up wire remote controller's setup condition.
	• Are air-conditioner and remote controller properly connected with cable?	• Please connect air-conditioner and remote controller cable.
	• Is cable connection correct?	• Please check again referring to setup method at the manual.
It doesn't operate reservation drive.	• Did you correctly setup time?	• Please set up current time correctly.
	• Did you correctly make a reservation?	• Please set up again referring to the manual.
It doesn't release cool wind.	• Is desired temperature setup lower than current temperature?	• Please set up desired temperature lower than current temperature.
Air-conditioner automatically runs or stops.	• Isn't reservation drive setup?	• When reservation setting button and set/cancel button are pressed simultaneously for 3 seconds or longer, all set reservations will be cancelled.
Error is indicated on remote controller indication window.	• Does remote controller indication window indicate 'CH03'?	• Please check again wire remote controller's setup condition. • Please check again connection condition of air-conditioner and remote controller cable.